

Converting Colors

XYZ(72.0345, 100.0000,
82.9336)

Have a look what the booklet for
XYZ(72.0345, 100.0000, 82.9336)
contains.

XYZ(64.4042, 84.7943, 80.6826)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.4042, 84.7943,
80.6826)**

Conversions

Conversions Part 1

Format	Color
Hex	A6FFDC
RGB	166, 255, 220
RGB Percent	65%, 100%, 86%
CMY	0.3490, 0.0000, 0.1372
CMYK	0.35, 0.00, 0.14, 0.00
HSL	156°, 100%, 83%
HSV	156°, 35%, 100%
XYZ	64.4042, 84.7943, 80.6826
YIQ	224.3990, -41.8090, -29.7530

Conversions

Conversions Part 2

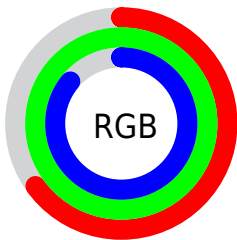
Format	Color
R _Y B	166, 221, 255
Decimal	10944476
CIE Lab	93.79, -34.09, 8.32
CIE LCh	94, 35.086, 166.286
Yxy	84.7943, 0.2802, 0.3689
Android (android.graphics.Color)	4289134556 (0xFFA6FFDC)
YUV	224.3990, -2.1687, -51.2159
Hunter-Lab	92.0838, -36.3023, 12.5096

Details

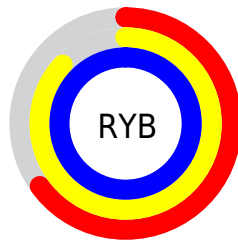
The XYZ color **64.4042, 84.7943, 80.6826** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **65.4195, 52.7506, 61.9929**, and the grayscale version is **71.1734, 74.8799, 81.5442**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **33.4160, 46.4198, 42.7960** is the 20% darker color. If you saturate the color by 10%, you get **58.2898, 81.7911, 73.6709**, and if you desaturate by 10%, it is **71.6597, 88.3765, 88.1664**.

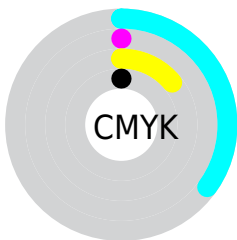
Distribution



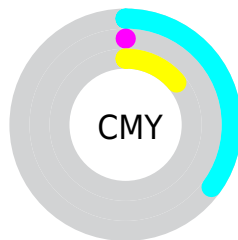
- Red (65%)
- Green (100%)
- Blue (86%)



- Red (65%)
- Yellow (87%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.4042, 84.7943, 80.6826 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 64.4042, 84.7943, 80.6826 by changing the saturation by 10% instead.


 64.4042, 84.7943,
80.6826


 64.4042, 84.7943,
80.6826


430.2269,
510.9472, 516.9976

 47.2410, 63.6714,
59.7508


 110.2633,
140.0857, 136.1451

 33.4350, 46.3846,
42.7938


 139.6900,
175.0231, 171.5128

 22.6207, 32.5494,
29.3931

173.9352,
215.3341, 212.5295

 14.4328, 21.7815,
19.1303

213.3643,
261.4031, 259.6138

 8.5060, 13.6964,
11.5867

258.3427,
313.6145, 313.1842

 4.4749, 7.9098,
6.3438

309.2357,

 1.9742, 4.0373,

372.3527, 373.6593

2.9831

366.4087,
438.0022, 441.4576

■ 0.6194, 1.6945,
1.0860

■ 0.0000, 0.4201,
0.0000

■ 64.4042, 84.7943,
80.6826

■ 64.4042, 84.7943,
80.6826

■ 58.2898, 81.7911,
73.6709

■ 71.6597, 88.3765,
88.1664

■ 53.2497, 79.3327,
67.1168

■ 80.1129, 92.5669,
96.1278

■ 49.2136, 77.3830,
61.0110

■ 89.8196, 97.3939,
104.5777

■ 46.1016, 75.9009,
55.3421

95.0500, 100.0000,
108.9000

■ 43.8207, 74.8388,
50.0979

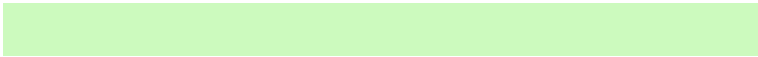
■ 42.2567, 74.1379,
45.2649

■ 41.6530, 73.8772,
42.9522

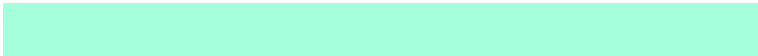
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.3199, 84.7943, 61.1996



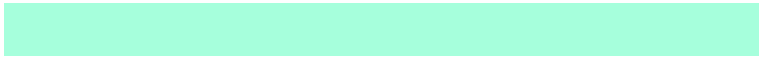
64.4042, 84.7943, 80.6826



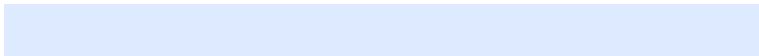
64.5837, 84.7943, 107.4842

Triad

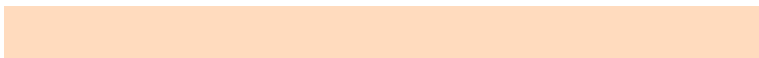
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.4042, 84.7943, 80.6826



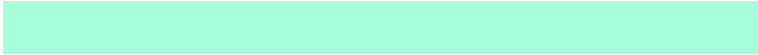
85.7265, 84.7943, 150.8906



93.6275, 84.7943, 59.9694

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64.4042, 84.7943, 80.6826



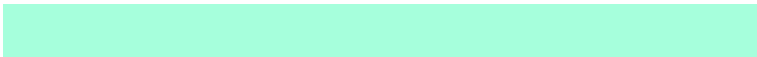
65.4195, 52.7506, 61.9929

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.0541, 84.7943, 78.6655



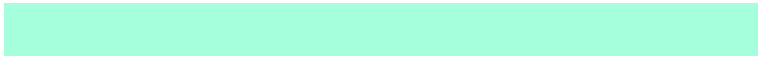
64.4042, 84.7943, 80.6826



94.2576, 84.7943, 132.5418

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.4042, 84.7943, 80.6826



76.4190, 84.7943, 151.7194



99.2932, 84.7943, 105.0402



84.9193, 84.7943, 50.8944

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.4042, 84.7943, 80.6826



66.9915, 84.7943, 126.1630



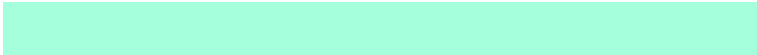
99.2932, 84.7943, 105.0402



95.9244, 84.7943, 65.1553

Sweetspot

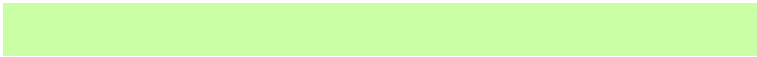
The Sweet Spot groups the original color and five complimentary colors.



64.4050, 84.7947, 80.6840



84.7101, 94.8513, 100.2073



66.8927, 86.7744, 49.3013



17.8426, 20.1585, 21.1955



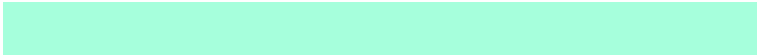
0.0000, 0.0000, 0.0000



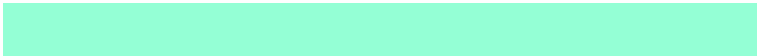
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.4050, 84.7947, 80.6840



59.9500, 82.6047, 75.6575



66.7628, 81.2999, 106.7814



18.2346, 20.3534, 21.5382



21.8401, 38.6327, 22.8413



2.1803, 3.7830, 2.5071

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



65.4195, 52.7506, 61.9929



61.1104, 46.1269, 54.4075



63.4342, 54.6354, 43.2801



18.3052, 18.1054, 20.2242



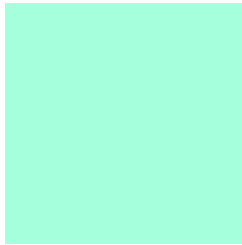
22.8260, 11.6197, 7.7339



2.2744, 1.1521, 1.0262

Previews

White Background



This preview shows how the XYZ color 64.4042, 84.7943, 80.6826 looks on a white background.

Color Contrast Check

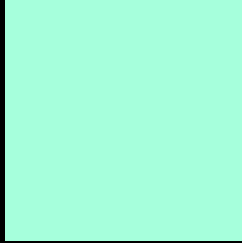
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 64.4042, 84.7943, 80.6826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.4042, 84.7943, 80.6826

Background



This preview shows how black text looks on a background with the XYZ color 64.4042, 84.7943, 80.6826.



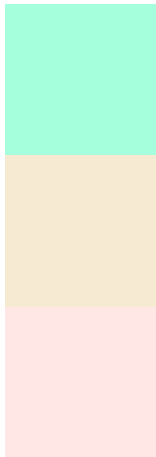
This preview shows how white text looks on a background with the XYZ color 64.4042, 84.7943,

80.6826.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

64.4042, 84.7943, 80.6826

Protanopia

79.3472, 83.6626, 72.9392

Deuteranopia

83.9588, 84.0690, 85.9306



Tritanopia

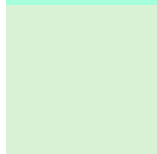
75.2774, 84.3003, 106.9118

Trichromacy



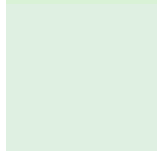
Original Color

64.4042, 84.7943, 80.6826



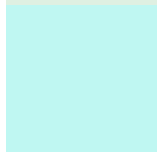
Protanomaly

72.5050, 83.1110, 75.8389



Deuteranomaly

75.3190, 83.4991, 84.0987



Tritanomaly

70.7736, 84.0087, 96.4895

Monochromacy



Original Color

64.4042, 84.7943, 80.6826



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.6562, 77.4409, 81.1938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4042, 84.7943, 80.6826 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(166, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 220)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(166, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 64.4042, 84.7943, 80.6826 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 255, 220) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(166, 255, 220) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(166, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4042, 84.7943, 80.6826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 220) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(166,  
255, 220) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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